

ANTISTATIC AGENT

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Abstract

PURPOSE: To provide a heat-resistant antistatic agent which contains a mixture of specific alkanesulfonates and an organic oligomer at a specific ratio, has proper melting characteristics, thus can be uniformly admixed to synthetic polymers without adverse effect on the intrinsic properties of the polymer.

CONSTITUTION: This antistatic agent comprises 20-95, preferably 75-95wt.% of an alkanesulfonate mixture of (A) an alkanemonosulfonate such as sodium decanesulfonate and (B) an alkanedisulfonate such as potassium lauryldisulfonate at a weight ratio of A/B=95/5-80/20, and 80-5, preferably 5-25wt.% of an organic oligomer (preferably polyolefin, polystyrene, polybutene, polyamide, polyester, polycarbonate, polysulfonate or wax of 300-5,000 number-average molecular weight and 180 deg.C or lower melting or softening point).

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